

SEQUENCE LISTING

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Handel, Tracy

<120> NOVEL ANTAGONISTS OF MCP PROTEINS

<130> ARS-104

<140> US 10/510,658

<141> 2004-10-07

<150> US 60/371,442

<151> 2002-04-10

<160> 8

<170> PatentIn version 3.0

<210> 1

<211> 99

<212> PRT

<213> Homo sapiens

<400> 1

Met Lys Val Ser Ala Ala Leu Leu Cys Leu Leu Leu Ile Ala Ala Thr
1 5 10 15

Phe Ile Pro Gln Gly Leu Ala Gln Pro Asp Ala Ile Asn Ala Pro Val
20 25 30

Thr Cys Cys Tyr Asn Phe Thr Asn Arg Lys Ile Ser Val Gln Arg Leu
35 40 45

Ala Ser Tyr Arg Arg Ile Thr Ser Ser Lys Cys Pro Lys Glu Ala Val
50 55 60

Ile Phe Lys Thr Ile Val Ala Lys Glu Ile Cys Ala Asp Pro Lys Gln
65 70 75 80

Lys Trp Val Gln Asp Ser Met Asp His Leu Asp Lys Gln Thr Gln Thr
85 90 95

Pro Lys Thr

<210> 2

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<212> PRT

<213> Artificial sequence

<220>

<223> mutant MCP-1 protein

<400> 2

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Met  Gln  Pro  Asp  Ala  Ile  Asn  Ala  Pro  Val  Thr  Cys  Cys  Tyr  Asn  Phe
1      5      10      15
Thr  Asn  Arg  Lys  Ile  Ser  Val  Gln  Arg  Leu  Ala  Ser  Tyr  Arg  Arg  Ile
      20      25      30
Thr  Ser  Ser  Lys  Cys  Pro  Lys  Glu  Ala  Val  Ile  Phe  Lys  Thr  Ile  Val
      35      40      45
Ala  Lys  Glu  Ile  Cys  Ala  Asp  Pro  Lys  Gln  Lys  Trp  Val  Gln  Asp  Ser
      50      55      60
Ile  Asp  His  Leu  Asp  Lys  Gln  Thr  Gln  Thr  Pro  Lys  Thr
65      70      75

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<210> 3

<211> 77

<212> PRT

<213> Artificial sequence

<220>

<223> mutant MCP-1 protein

<400> 3

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Met  Gln  Pro  Asp  Ala  Ile  Asn  Ala  Pro  Val  Thr  Cys  Cys  Tyr  Asn  Phe
1      5      10      15
Thr  Asn  Ala  Ala  Ile  Ser  Val  Gln  Arg  Leu  Ala  Ser  Tyr  Arg  Arg  Ile
      20      25      30
Thr  Ser  Ser  Lys  Cys  Pro  Lys  Glu  Ala  Val  Ile  Phe  Lys  Thr  Ile  Val
      35      40      45
Ala  Lys  Glu  Ile  Cys  Ala  Asp  Pro  Lys  Gln  Lys  Trp  Val  Gln  Asp  Ser
      50      55      60
Ile  Asp  His  Leu  Asp  Lys  Gln  Thr  Gln  Thr  Pro  Lys  Thr
65      70      75

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<210> 4

<211> 76

<212> PRT

<213> Homo sapiens

<400> 4

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Gln  Pro  Asp  Ala  Ile  Asn  Ala  Pro  Val  Thr  Cys  Cys  Tyr  Asn  Phe  Thr
1      5      10      15

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Asn Arg Lys Ile Ser Val Gln Arg Leu Ala Ser Tyr Arg Arg Ile Thr
20 25 30

Ser Ser Lys Cys Pro Lys Glu Ala Val Ile Phe Lys Thr Ile Val Ala
35 40 45

Lys Glu Ile Cys Ala Asp Pro Lys Gln Lys Trp Val Gln Asp Ser Met
50 55 60

Asp His Leu Asp Lys Gln Thr Gln Thr Pro Lys Thr
65 70 75

<210> 5

<211> 76

<212> PRT

<213> Homo sapiens

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Gln Pro Asp Ser Val Ser Ile Pro Ile Thr Cys Cys Phe Asn Val Ile
1 5 10 15

Asn Arg Lys Ile Pro Ile Gln Arg Leu Glu Ser Tyr Thr Arg Ile Thr
20 25 30

Asn Ile Gln Cys Pro Lys Glu Ala Val Ile Phe Lys Thr Lys Arg Gly
35 40 45

Lys Glu Val Cys Ala Asp Pro Lys Glu Arg Trp Val Arg Asp Ser Met
50 55 60

Lys His Leu Asp Gln Ile Phe Gln Asn Leu Lys Pro
65 70 75

<210> 6

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<212> PRT

<213> Homo sapiens

<400> 6

Gln Pro Val Gly Ile Asn Thr Ser Thr Thr Cys Cys Tyr Arg Phe Ile
1 5 10 15

Asn Lys Lys Ile Pro Lys Gln Arg Leu Glu Ser Tyr Arg Arg Thr Thr
20 25 30

Ser Ser His Cys Pro Arg Glu Ala Val Ile Phe Lys Thr Lys Leu Asp
35 40 45

Lys Glu Ile Cys Ala Asp Pro Thr Gln Lys Trp Val Gln Asp Phe Met
50 55 60

Lys His Leu Asp Lys Lys Thr Gln Thr Pro Lys Leu
65 70 75

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 <213> Homo sapiens

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Gln Pro Asp Ala Leu Asn Val Pro Ser Thr Cys Cys Phe Thr Phe Ser
 1 5 10 15
 Ser Lys Lys Ile Ser Leu Gln Arg Leu Lys Ser Tyr Val Ile Thr Thr
 20 25 30
 Ser Arg Cys Pro Gln Lys Ala Val Ile Phe Arg Thr Lys Leu Gly Lys
 35 40 45
 Glu Ile Cys Ala Asp Pro Lys Glu Lys Trp Val Gln Asn Tyr Met Lys
 50 55 60
 His Leu Gly Arg Lys Ala His Thr Leu Lys Thr
 65 70 75

<210> 8
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 <212> PRT
 <213> Homo sapiens

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Gly Pro Ala Ser Val Pro Thr Thr Cys Cys Phe Asn Leu Ala Asn Arg
 1 5 10 15
 Lys Ile Pro Leu Gln Arg Leu Glu Ser Tyr Arg Arg Ile Thr Ser Gly
 20 25 30
 Lys Cys Pro Gln Lys Ala Val Ile Phe Lys Thr Lys Leu Ala Lys Glu
 35 40 45
 Ile Cys Ala Asp Pro Lys Lys Lys Trp Val Gln Asp Ser Met Lys Tyr
 50 55 60
 Leu Asp Gln Lys Ser Pro Thr Pro Lys Pro
 65 70